



ENTERED

PCT10

RAW SEQUENCE LISTING DATE: 04/04/2002 PATENT APPLICATION: US/10/088,046 TIME: 15:38:34

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\04042002\J088046.raw

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      6 <120> TITLE OF INVENTION: Novel Compounds
      9 <130> FILE REFERENCE: BM45414
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C--> 11 <141> CURRENT FILING DATE: 2002-03-14
     11 <150> PRIOR APPLICATION NUMBER: 9921694.7
     12 <151> PRIOR FILING DATE: 1999-09-14
     14 <150> PRIOR APPLICATION NUMBER: 9921693.9
     15 <151> PRIOR FILING DATE: 1999-09-14
     17 <150> PRIOR APPLICATION NUMBER: 9922829.8
     18 <151> PRIOR FILING DATE: 1999-09-25
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     31 ctaaatgcac atgcagcacc tgaattatat ggttacgcaa atcttgtcgt ttctgctaat
                                                                               120
     32 cataaaaaa caaccaacaa gacaaccaat gtcagtacat caacaacaga ccgcccctat
                                                                               180
     33 ctgtatagca gcggatcacg cattggcctt agagggtctg aaaagttaaa tgatgattat
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     34 gaggttttgt acaagttgga gtaccgtcta gaaaatgatg gtgatttacg caatgaaaaa
     35 atcaagcage cagatggtae tgaaaagact gttgctaaaa cacgcaattt tgaggetegt
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     36 gattcatgga ttggcgtgaa gcataaaaag tatggtacca tcaaggcggg tcgtatgttg
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     37 tetttggate catatgtgeg ttataetgee tatttggegt caggegtaga tggggtgegt
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     38 accaataata ccattgcata cgaatcacca aaaatcaaag atgttagttt tcaggcgatg
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     39 tacatcttag atgaaaataa agagacagat accattgatc gtgatggtta ttcattgctt
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     40 gtcaagaaaa acacagatac atataatgtt ggtgcagctt atgcctattt tggtaaagca
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     41 aaaacctctt atggcaagat taactatact gcgcgtgtga caggtaatta taaaattaat
                                                                               720
     42 gaggattata aagtaggtgg tatctatcag catgtcggct atgccaatga cgacagtgcc
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     43 aaaaataata cagaacaagc tgttggcgtg gctttgcagc attttaaaga caaatggact
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     44 cataccgcac acatgaatct tgtgaataat cctagtggga aaaagggcga tgggtttgag
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     45 ctgatcggag caattgaccg tgatatttct aaaaatgtct ctgcaggcat ggatatcacc
                                                                               960
     46 tatggtaact ttaactacgc aacagaaaaa gaatcttaca tcaacccaac tatctatgcg
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     47 actgtatatt tttaa
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     54 <400> SEQUENCE: 2
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56 1



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57 Gly Gly Met Met Leu Asn Ala His Ala Ala Pro Glu Leu Tyr Gly Tyr
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59 Ala Asn Leu Val Val Ser Ala Asn His Lys Lys Thr Thr Asn Lys Thr
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61 Thr Asn Val Ser Thr Ser Thr Thr Asp Arg Pro Tyr Leu Tyr Ser Ser
                           55
63 Gly Ser Arg Ile Gly Leu Arg Gly Ser Glu Lys Leu Asn Asp Asp Tyr
                       70
65 Glu Val Leu Tyr Lys Leu Glu Tyr Arg Leu Glu Asn Asp Gly Asp Leu
                                       90
67 Arg Asn Glu Lys Ile Lys Gln Pro Asp Gly Thr Glu Lys Thr Val Ala
                                   105
               100
69 Lys Thr Arg Asn Phe Glu Ala Arg Asp Ser Trp Ile Gly Val Lys His
                               120
71 Lys Lys Tyr Gly Thr Ile Lys Ala Gly Arg Met Leu Ser Leu Asp Pro
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      130
                           135
73 Tyr Val Arg Tyr Thr Ala Tyr Leu Ala Ser Gly Val Asp Gly Val Arg
                       150
                                           155
75 Thr Asn Asn Thr Ile Ala Tyr Glu Ser Pro Lys Ile Lys Asp Val Ser
                   165
                                       170
77 Phe Gln Ala Met Tyr Ile Leu Asp Glu Asn Lys Glu Thr Asp Thr Ile
                                   185
               180
79 Asp Arg Asp Gly Tyr Ser Leu Leu Val Lys Lys Asn Thr Asp Thr Tyr
                               200
81 Asn Val Gly Ala Ala Tyr Ala Tyr Phe Gly Lys Ala Lys Thr Ser Tyr
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                                               220
83 Gly Lys Ile Asn Tyr Thr Ala Arg Val Thr Gly Asn Tyr Lys Ile Asn
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                       230
85 Glu Asp Tyr Lys Val Gly Gly Ile Tyr Gln His Val Gly Tyr Ala Asn
                   245
                                       250
87 Asp Asp Ser Ala Lys Asn Asn Thr Glu Gln Ala Val Gly Val Ala Leu
              260
                                   265
89 Gln His Phe Lys Asp Lys Trp Thr His Thr Ala His Met Asn Leu Val
                               280
91 Asn Asn Pro Ser Gly Lys Lys Gly Asp Gly Phe Glu Leu Ile Gly Ala
                           295
                                               300
93 Ile Asp Arg Asp Ile Ser Lys Asn Val Ser Ala Gly Met Asp Ile Thr
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60



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                                                                           300
110 aatggcgatt catgtttttt ggttgatgag attgactttg tgattgaggg tggagaagat
111 aaacatattc taggtatgac gccgagcaat ttacgcagct tgctatcgcc cctgttggac
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112 cggacaaagc caacatatgc tettaateac tgcateaaca ateacaacet atetttaatt
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113 gtagatattg cccataatga attactaaag cgtggttatt taactagcag tattagcatt
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114 gaagagcagg atttatcaac taaaaaactc actttaacag tccatgctgg caaggtgaaa
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115 aaggtgatat tggccgatgc tagcaaaacg ccaacttatg tcaaagccgc cattcctctt
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118 attgacatta acaccacaaa ccttggtttt agtgatttac tcattaggat ggaccgcagt
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                                                                           840
119 caaaqcqctq tatttqqcat taatattqat aacaqtttat ccaaaqatta tqqcaattat
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122 gtgggcaagg ataggcaggt taattatcac gcttccttga ctattcctta tggattgtat
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124 cccttgactt atcatggcac cagcaagaca agctcaattg gattgtctcg tttattgcac
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125 cgtgatggca atcaaaagac tgaaggttat ataaaggtta atcacaaacg aagcagtaat
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126 tatattgatg atgttaatct tgaagtgcaa aaccgccgca caacaggata taacattggc
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127 atcactcatc agcatcatct tcaccaaggt ggttatttgt atgccaactt ggattataag
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128 caaggaacag gggcactaaa agcaaagcct gcacctgaag agcatattta tgatgctttt
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132 caatatgcca aacaacttcc tgtaccatct gatttattct atttgggtgg cagatatagc
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                                                                          1680
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134 gaacttgett ggcaattgee attacagaat ettaateage aetttagtae aaatgeaaae
135 agcgcccagt tgtatgcaag tattgatcaa ggctatgcct atggaaaaaa cactcttaat
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136 aatcaacqcc atatcttqqc tqqaqcqqtt qqtatqaqqt attattttca aggcaqtcaa
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137 gatccaagaa ttcaagaaac acaaaatggc ttgactcatt tcaaagaatc aaatacttat
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138 ctaaataaca caccaaccac agctcatttg gatatattca ttggaaaagg aattaagacg
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151 Ala Asn Leu Ser Ala Ile Thr Asp Asp Arg Arg Gln Ala Ala Leu Ala
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153 His Leu Ala Arg Gln Asp Leu Ala Ala Thr Asp Asp Asp Met Gly Val
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155 Asp Ile Asn Gln Thr Asn Ile Asn Gln Pro Asn Trp Gln Asp Asp Lys
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157 Asn Gly Asp Ser Cys Phe Leu Val Asp Glu Ile Asp Phe Val Ile Glu
158
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163	Asn	His	Cys	Ile	Asn	Asn	His	Asn	Leu	Ser	Leu	Ile	Val	Asp	Ile	Ala
164		130					135					140				
165	His	Asn	Glu	Leu	Leu	Lys	Arg	Gly	Tyr	Leu	Thr	Ser	Ser	Ile	Ser	Ile
	145					150					155					160
167	Glu	Glu	Gln	Asp	Leu	Ser	Thr	Lys	Lys	Leu	Thr	Leu	Thr	Val		Ala
168					165					170					175	
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170				180					185			_	_	190		
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172	_	_	195			~ 3	_	200		-	.		205		D	m\
	Ser	_	Leu	GIu	GIn	GTĀ		Asp	Asn	ьeu	гуѕ		IIe	Asp	Pro	Inr
174	21-	210	7707	C1 n	T1.0	T10	215	cor	cor	cor	Cor	220	V a 1	Ala	λcn	λen
		THE	val	GIII	TIE	230	PIO	Set	261	261	235	ASII	Val	АІА	ASII	240
	225	A an	Tla	λcn	mbr		λan	T.611	G137	Dhe		Aen	T.e.u	Leu	Tle	
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	Met	Asp	Ara	Ser		Ser	Ala	Val	Phe		Tle	Asn	Ile	Asp		Ser
180	ricc	пор	my	260	0111	001	1114	, 42	265	011				270		
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182			275		-1-	2		280					285			
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184		290					295					300				
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188					325					330					335	
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190		_,	_	340	a 1	_			345	.	m)	m	77.2 -	350	m1	C - m
	GIn	Phe		GIU	GTĀ	Leu	Hls		Pro	ьeu	Thr	Tyr	365	Gly	THE	Ser
192	T	mb	355	Com	т1.	C1	T 011	360	7 ~~	T OU	T 011	пiс		7 cn	C1 17	λcn
193	ьуѕ	370	ser	Ser	TIE	GIÃ	375	ser	AIG	ьeu	цец	380	MIG	Asp	GLY	ASII
	Gln		Thr	Glu	G1v	ጥህጉ		T.37C	Va 1	Δsn	His		Δrσ	Ser	Ser	Asn
	385	цуз	1111	Oiu	OLI	390	-10	1,5	, u.		395		9	501	001	400
		Ile	Asp	Asp	Val		Leu	Glu	Val	Gln		Arq	Arq	Thr	Thr	
198	-1-				405					410			_		415	_
	Tyr	Asn	Ile	Gly		Thr	His	Gln	His	His	Leu	His	Gln	Gly	Gly	Tyr
200	•			420					425					430	_	_
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205	Pro	Ser	Glu	Gly	Phe		Lys	Ala	Pro	Ile		Ser	Leu	Tyr	Thr	Ser
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211 Thr Tyr Thr Ala Arg Leu Gln Ala Gln Tyr Ala Lys Gln Leu Pro Va	1									
212 515 520 525										
213 Pro Ser Asp Leu Phe Tyr Leu Gly Gly Arg Tyr Ser Ile Lys Gly Il	е									
214 530 535 540										
215 Lys Glu Gly Asn Tyr Leu Ser Gly Glu His Gly Phe Ser Leu Ser Gl	n									
216 545 550 555 56										
217 Glu Leu Ala Trp Gln Leu Pro Leu Gln Asn Leu Asn Gln His Phe Se	r									
218 565 570 575										
219 Thr Asn Ala Asn Ser Ala Gln Leu Tyr Ala Ser Ile Asp Gln Gly Ty	r									
220 580 585 590										
221 Ala Tyr Gly Lys Asn Thr Leu Asn Asn Gln Arg His Ile Leu Ala Gl	У									
222 595 600 605										
223 Ala Val Gly Met Arg Tyr Tyr Phe Gln Gly Ser Gln Asp Pro Arg Il	е									
224 610 615 620										
225 Gln Glu Thr Gln Asn Gly Leu Thr His Phe Lys Glu Ser Asn Thr Ty	r									
226 625 630 635 64										
227 Leu Asn Asn Thr Pro Thr Thr Ala His Leu Asp Ile Phe Ile Gly Ly	s									
228 645 650 655										
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242 catgccttgt atcaagctga tgtcttacaa gcagaatcat tacaaaaatt acactat	cct 180									
243 aggatatogo toaatgoaca ogootttgta otgoaacaaa acagoagoat accotta										
244 catatcaaag agcagaccgc ccagcacatt aacacccatt ttgaccatcg ctttggc	gat 240									
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245 geoccegatg gtetgttgga tgetttgeae aacageacee aaacegeeet tgacege 246 cetgaceate aagatgteaa gttacgeeat gatggeatta eeccaaacat tacegee 247 atacecatet atacaggtgg ettaateage ageaceaaaa atategeeaa tetacaa 248 cagegtggta aatttggatt acaagaacge atetetttgg caaaacettaa tttgatt 249 cattattta atgtgeaatt acaaaageag etgacegaea eacaacaaaa eatgett 250 geeatgeagt tacatgtaga taatgettat aaattagaae ageaaggttt tateagt 251 ggacagegta tgeaatttga agtggeacge aateaggtae aaagaetgta teaaage 252 caaaateage aceaaaacag eatttatgaa ettgetgttt tgettggttt geeceae 253 gaacegetaa geacaeeget gtttateaae acecageate geeceaattg geaagea 254 etcaaagaet eecaaaatae aceattaaat caaaagetaa aaacegaeat tttgett	gat 240 agt 300 ctg 360 acg 420 gca 480 cgc 540 agt 600 cgt 660 acc 720 att 780 tta 840 gcc 900									
245 geoccegatg gtetgttgga tgetttgeae aacageacce aaacegeeet tgacege 246 cetgaceate aagatgteaa gttacgeeat gatggeatta eeceaaacat tacegee 247 atacecatet atacaggtgg ettaateage ageaceaaaa atategeeaa tetacaa 248 cagegtggta aatttggatt acaagaaege atetetttgg caaaacettaa tttgatt 249 cattattta atgtgeaatt acaaaageag etgacegaca cacaacaaaa eatgett 250 geeatgeagt tacatgtaga taatgettat aaattagaae ageaaggttt tateagt 251 ggacagegta tgeaatttga agtggeaege aateaggtae aaagaetgta teaaage 252 caaaateage aceaaaacag eatttatgaa ettgetgttt tgettggttt geeecae 253 gaacegetaa geacaceget gttateaae acecageate geeceaattg geaagea 254 etcaaagaet eecaaaatae aceattaaat caaaagetaa aaacegacat tttgett 255 gatgaaaata tegeeetaag acaateeace aaaaaaceaa aaattgeege tgtgget	gat 240 agt 300 ctg 360 acg 420 gca 480 cgc 540 agt 600 cgt 660 acc 720 att 780 tta 840 gcc 900 cgt 960									
245 geoccegatg gtetgttgga tgetttgeae aacageacee aaacegeeet tgacege 246 cetgaceate aagatgteaa gttacgeeat gatggeatta eeceaaacat tacegee 247 atacecatet atacaggtgg ettaateage ageaceaaaa atategeeaa tetacaa 248 cagegtggta aatttggatt acaagaaege atetetttgg caaaacettaa tttgatt 249 cattattta atgtgeaatt acaaaageag etgacegaca cacaacaaaa catgett 250 geeatgeagt tacatgtaga taatgettat aaattagaac ageaaggttt tateagt 251 ggacagegta tgeaatttga agtggeaege aateaggtae aaagaetgta teaaage 252 caaaateage aceaaaacag eatttatgaa ettgetgtt tgettggttt geeceae 253 gaacegetaa geacaeeget gtttateaae acecageate geeceaattg geaagea 254 etcaaagaet eecaaaatae aceattaaat caaaagetaa aaacegacat tttgett 255 gatgaaaata tegeectaag acaateeae aaaaaeeaa aaattgeege tgtgget 256 tatacettag atgataagee tgattggttt geaggtgtgg eggtttetta caaceta	gat 240 agt 300 ctg 360 acg 420 gca 480 cgc 540 agt 600 cgt 660 acc 720 att 780 tta 840 gcc 900 cgt 960 ttc 1020									
245 geoccegatg gtetgttgga tgetttgeae aacageacce aaacegeeet tgacege 246 cetgaceate aagatgteaa gttacgeeat gatggeatta eeccaaacat tacegee 247 atacecatet atacaggtgg ettaateage ageaceaaaa atategeeaa tetacaa 248 cagegtggta aatttggatt acaagaacge atetetttgg caaaacettaa tttgatt 249 cattattta atgtgeaatt acaaaageag etgacegaca eacaacaaaa eatgett 250 geeatgeagt tacatgtaga taatgettat aaattagaac ageaaggttt tateagt 251 ggacagegta tgeaatttga agtggeacge aateaggtae aaagaetgta teaaage 252 caaaateage aceaaaacag eatttatgaa ettgetgtt tgettggttt geeceae 253 gaacegetaa geacaceget gttateaae aceaagetae geeceaattg geaagea 254 etcaaagaet eecaaaatae aceattaaat eaaaagetaa aaacegaeat tttgett 255 gatgaaaata tegeectaag acaateeae aaaaaecaa aaattgeege tgtgget 256 tatacettag atgataagee tgattggttt geaggtgtgg eggtttetta eaaceta 257 ttgggeattg acegtgataa geagattggg geageacee tacaaaaaca ageagee	gat 240 agt 300 ctg 360 acg 420 gca 480 cgc 540 agt 600 cgt 660 acc 720 att 780 tta 840 gcc 900 cgt 960 ttc 1020 caa 1080									
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VERIFICATION SUMMARY

DATE: 04/04/2002

PATENT APPLICATION: US/10/088,046

TIME: 15:38:36

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\04042002\J088046.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date